



Department of Energy

Idaho Operations Office
850 Energy Drive
Idaho Falls, Idaho 83401-1563

March 12, 2002

Mr. Wayne Pierre, Team Leader
Environmental Cleanup Office
U.S. Environmental Protection Agency
Region X
1200 Sixth Avenue
Seattle, Washington 98101

Mr. Dean Nygard, Site Remediation Program Manager
Idaho Department of Environmental Quality
Waste Management and Remediation Program
1410 N. Hilton
Boise, Idaho 83706

SUBJECT: Transmittal of the Final Remedial Design/Construction Work Plan for the Waste Area Group 3 Staging, Storage, Sizing, and Treatment Facility (EM-ER-02-037)

Dear Mr. Pierre and Mr. Nygard:

Enclosed is the *Final Remedial Design/Construction Work Plan for the Waste Area Group 3 Staging, Storage, Sizing, and Treatment Facility*. Contained in this document are the engineering calculations, specifications, drawings along with the necessary plans (construction quality assurance, waste management, etc.) for the design and construction of the Staging, Storage, Sizing, and Treatment Facility (SSSTF). The attached design and construction package (contents listed below) is being submitted to meet the requirements of the Federal Facility Agreement and Consent Order (FFA/CO).

SSSTF Remedial Design/Construction Work Plan

- Remedial Design/Construction Work Plan for the Waste Area Group 3 Staging, Storage, Sizing, and Treatment Facility, DOE/ID-10889
- Appendix A—Technical and Functional Requirements, WAG 3 Staging, Storage, Sizing, and Treatment Facility, T&FR-17
- Appendix B—Design Basis
 - B-1 Process and Treatment Overview for the Minimum Treatment Process, EDF-ER-296
 - B-2 Staging, Storage, Sizing, and Treatment Facility Debris Treatment Process Selection and Design, EDF-ER-1730
 - B-3 Staging, Storage, Sizing, and Treatment Facility Sanitary Sewer Lift Station, EDF-1937
 - B-4 Staging, Storage, Sizing, and Treatment Facility Flow and Pressure Calculations of the Raw Water and Potable Water, EDF-2655

- B-5 Staging, Storage, Sizing, and Treatment Facility INTEC Fire Water System for the ICDF Complex, EDF-1948
 - B-6 Staging, Storage, Sizing, and Treatment Facility Process Systems Drain Pipe Sizing, EDF-2648
 - B-7 Staging, Storage, Sizing, and Treatment Facility Decon Facility HVAC System, EDF-2676
 - B-8 SSSTF Design Radiological Control Analysis, EDF-ER-302
 - B-9 Staging, Storage, Sizing, and Treatment Facility Fiber Optic Selection, EDF-2738
 - B-10 Staging, Storage, Sizing, and Treatment Facility Electrical Load Study, EDF-2747
 - B-11 Staging, Storage, Sizing, and Treatment Facility Access Road and Site Pavement Ballast Requirements, EDF-1913
 - B-12 Staging, Storage, Sizing, and Treatment Facility Post-tensioned Slab Design, EDF-3061
- Appendix C—Design Specifications, SPC-1485
 - C-1 Procurement Specification for CPP-1689 Administration Office Trailer, SPC-1484
- Appendix D—Design Drawings
- Appendix E—SSA As-Built Drawings, Design Drawings, and Specifications
- Appendix F—Preliminary Inspection Plan for SSSTF Construction Activities, INEEL/EXT-01-00777
- Appendix G—Health and Safety Plan for Construction of the Staging, Storage, Sizing, and Treatment Facility, INEEL/EXT-01-00271
- Appendix H—Construction Waste Management Plan for the Staging, Storage, Sizing, and Treatment Facility, DOE/ID-10873
- Appendix I—Storm Water Pollution Prevention Plan for Construction of the SSSTF, PLN-1034
- Appendix J—ICDF Complex Waste Acceptance Criteria, DOE/ID-10881
- Appendix K—Quality Program Plan for the INEEL CERCLA Disposal Facility Complex, PLN-873
- Appendix L— Schedule and Assumptions
- Appendix M— Cost Estimate
- Appendix N—Soils Stabilization Treatment Facility Design (currently a placeholder, but will be added as a modification to the SSSTF RD/CWP for a FFA/CO primary document under the FFA/CO)
- Appendix O—Comment Response Tables

Comment received from the EPA and IDHW on both the Draft and Draft Final SSSTF Remedial Design/Remedial Action Work Plan (RD/RA WP) have been included along with the comment responses. All comments on the design/construction and remedial action components have been addressed in the comment response tables. As was discussed by all parties during the meetings on February 26, 27, and 28, 2002, the Final SSSTF RD/CWP only includes the documents dealing with the design and construction aspects of the SSSTF. The remedial action components for the SSSTF will be included in the future ICDF Complex Remedial Action Work Plan (RAWP), which will also include the ICDF landfill/evaporation pond remedial action components. If you have any questions, please call Talley Jenkins at (208) 526-4978 or myself at (208) 526-4392.

Sincerely,

A handwritten signature in cursive script that reads "Kathleen E. Hain".

Kathleen Hain, Manager
Environmental Restoration Program

Enclosure

Cc: M. English, IDEQ, Technical Services Group, 1410 N. Hilton, Boise, Idaho 83706 (4)
J. Roland, Gannett Fleming Inc., Suite 850 1411 4th Ave., Seattle, WA 98101
T. Kluk, DOE-HQ, EM-441 w/o enc.
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CONCURRENCE:

EM	_____
OCC	<u>Rick</u>

RECORD NOTES:

1. This letter was prepared to transmit SSSTF Final Remedial Design/Construction Work Plan to the State and EPA.
2. This letter was prepared based on discussions between T. Jenkins and K. Hain (EM/ER), and R. Corman (OCC). ^{TWJ 3/11/02}
3. This letter/memo closes OATS number N/A.
4. The attached correspondence has no relation to the Naval Nuclear Propulsion Program. Naval Reactors concurrence is not required.

TWJenkins (EM/ER): File: Final SSSTF RD_CWP.doc